

AMENDMENTS TO THE CLAIMS

Please **ADD** new claims 358-372 as shown below.

Please **CANCEL** claims 328-357 without prejudice or disclaimer in favor of presentation of this subject matter in a divisional application.

This listing of claims will replace all prior versions, and listings, of claims in the application.

1 - 357. (Cancelled)

358. (New) A method for interfacing between a terminal and a radio network, wherein the radio network has an asynchronous operating type and the terminal has a hybrid operating type being possible to be set as either a synchronous operating type or the asynchronous operating type, the method comprising the steps of:

a) providing the terminal with a message including a core network operating type information representing an operating type of a core network, wherein the message is represented by:

| INFORMATION ELEMENT | PRESENCE | MULTI | IE TYPE AND REFERENCE | SEMANTICS DESCRIPTION |
|---|----------|-------|-----------------------|-----------------------|
| OTHER INFORMATION ELEMENTS | | | | |
| MIB VALUE TAG | M | | | |
| REFERENCES TO OTHER SYSTEM INFORMATION BLOCKS | | | | |
| >SCHEDULING | M | | | |

| | | | | |
|-------------------------|-------|--|---------|--|
| INFORMATION | | | | |
| CN INFORMATION ELEMENTS | | | | |
| CN TYPE | M | | GSM-MAP | |
| PLMN IDENTITY | C-GSM | | | |

| CONDITION | EXPLANATION |
|-----------|--|
| GSM | THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE == "GSM-MAP") or (CN TYPE == "GSM-MAP AND ANSI-41") |
| ANSI | THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE == "ANSI-41") or (CN TYPE == "GSM-MAP AND ANSI-41") |

359. (New) A method for interfacing between a terminal and a radio network, wherein the radio network has an asynchronous operating type and the terminal has a hybrid operating type being possible to be set as either a synchronous operating type or the asynchronous operating type, the method comprising the steps of

a) providing the terminal with a message including a core network operating type information representing an operating type of a core network, wherein the message is represented by:

| INFORMATION ELEMENT | PRESENCE | MULTI | IE TYPE AND REFERENCE | SEMANTICS DESCRIPTION |
|----------------------------|----------|-------|-----------------------|-----------------------|
| OTHER INFORMATION ELEMENTS | | | | |
| MIB VALUE TAG | M | | | |

| | | | | |
|---|--------|--|---------|--|
| REFERENCES TO OTHER SYSTEM INFORMATION BLOCKS | | | | |
| >SCHEDULING INFORMATION | M | | | |
| CN INFORMATION ELEMENTS | | | | |
| CN TYPE | M | | ANSI-41 | |
| ANSI-41 INFORMATION ELEMENTS | C-ANSI | | | |

| CONDITION | EXPLANATION |
|-----------|--|
| GSM | THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE == "GSM-MAP") or (CN TYPE == "GSM-MAP AND ANSI-41") |
| ANSI | THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE == "ANSI-41") or (CN TYPE == "GSM-MAP AND ANSI-41") |

360. (New) An apparatus for interfacing between a terminal and a radio network, wherein the radio network has an asynchronous operating type and the terminal has a hybrid operating type being possible to be set as either a synchronous operating type or the asynchronous operating type, comprising:

a storage device, contained in the radio network, for storing core network operating type information representing an operating type of a core network;

extraction block, contained in the radio network, for reading the core network operating type information during a time period of initialization of the radio network; and

messaging block, contained in the radio network, for periodically providing the terminal with the core network operating type information contained in a message through a predetermined channel,

wherein the message is represented by:

| INFORMATION ELEMENT | PRESENCE | MULTI | IE TYPE AND REFERENCE | SEMANTICS DESCRIPTION |
|---|----------|-------|-----------------------|-----------------------|
| OTHER INFORMATION ELEMENTS | | | | |
| MIB VALUE TAG | M | | | |
| REFERENCES TO OTHER SYSTEM INFORMATION BLOCKS | | | | |
| >SCHEDULING INFORMATION | M | | | |
| CN INFORMATION ELEMENTS | | | | |
| CN TYPE | M | | GSM-MAP | |
| PLMN IDENTITY | C-GSM | | | |

| CONDITION | EXPLANATION |
|-----------|--|
| GSM | THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE == "GSM-MAP") or (CN TYPE == "GSM-MAP AND ANSI-41") |
| ANSI | THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE == "ANSI-41") or (CN TYPE == "GSM-MAP AND ANSI-41") |

361. (New) An apparatus for interfacing between a terminal and a radio network, wherein the radio network has an asynchronous operating type and the terminal has a hybrid operating type being possible to be set as either a synchronous operating type or the asynchronous operating type, comprising:

a storage device, contained in the radio network, for storing core network operating type information representing an operating type of a core network;

extraction block, contained in the radio network, for reading the core network operating type information during a time period of initialization of the radio network; and

messaging block, contained in the radio network, for periodically providing the terminal with the core network operating type information contained in a message through a predetermined channel,

wherein the message is represented by:

| INFORMATION ELEMENT | PRESENCE | MULTI | IE TYPE AND REFERENCE | SEMANTICS DESCRIPTION |
|---|----------|-------|-----------------------|-----------------------|
| OTHER INFORMATION ELEMENTS | | | | |
| MIB VALUE TAG | M | | | |
| REFERENCES TO OTHER SYSTEM INFORMATION BLOCKS | | | | |
| >SCHEDULING INFORMATION | M | | | |
| CN INFORMATION ELEMENTS | | | | |
| CN TYPE | M | | ANSI-41 | |
| ANSI-41 INFORMATION ELEMENTS | C-ANSI | | | |

| CONDITION | EXPLANATION |
|-----------|--|
| GSM | THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE == "GSM-MAP") or (CN TYPE == "GSM-MAP AND ANSI-41") |
| ANSI | THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE == "ANSI-41") or (CN TYPE == "GSM-MAP AND ANSI-41") |

362. (New) A method for interfacing between a terminal and a radio network connected to a core network, wherein the terminal has a hybrid operating type being possible to be set as either a synchronous operating type or an asynchronous operating type, the radio network is the asynchronous operating type and the core network is an ANSI-41 and GSM-MAP operating type, said method comprising the steps of:

a) providing the terminal with a message including a core network operating type information representing an operating type of a core network, wherein the message is represented by:

| INFORMATION ELEMENT | PRESENCE | MULTI | IE TYPE AND REFERENCE | SEMANTICS DESCRIPTION |
|---|----------|-------|-----------------------|-----------------------|
| OTHER INFORMATION ELEMENTS | | | | |
| MIB VALUE TAG | M | | | |
| REFERENCES TO OTHER SYSTEM INFORMATION BLOCKS | | | | |
| >SCHEDULING INFORMATION | M | | | |
| CN INFORMATION ELEMENTS | | | | |
| CN TYPE | M | | ANSI-41 | |
| ANSI-41 INFORMATION ELEMENTS | C-ANSI | | | |

| CONDITION | EXPLANATION |
|-----------|--|
| GSM | THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE = "GSM-MAP") or (CN TYPE = "GSM-MAP AND ANSI-41") |

| | |
|------|--|
| ANSI | THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE == "ANSI-41") or (CN TYPE == "GSM-MAP AND ANSI-41") |
|------|--|

363. (New) An apparatus for interfacing between a terminal and a radio network connected to a core network, wherein the terminal has a hybrid operating type being possible to be set as either a synchronous operating type or an asynchronous operating type, the radio network is the asynchronous operating type and the core network is an ANSI-41 and GSM-MAP operating type, said apparatus comprising:

a storage device for storing core network operating type information representing an operating type of a core network;

extraction block for reading the core network operating type information during a time period of initialization of the radio network; and

messaging block for providing the terminal with the core network operating type information contained in a message through a predetermined channel,

wherein the message is represented by:

| INFORMATION ELEMENT | PRESENCE | MULTI | IE TYPE AND REFERENCE | SEMANTICS DESCRIPTION |
|---|----------|-------|-----------------------|-----------------------|
| OTHER INFORMATION ELEMENTS | | | | |
| MIB VALUE TAG | M | | | |
| REFERENCES TO OTHER SYSTEM INFORMATION BLOCKS | | | | |
| >SCHEDULING INFORMATION | M | | | |
| CN INFORMATION | | | | |

| | | | | |
|------------------------------------|--------|--|---------|--|
| ELEMENTS | | | | |
| CN TYPE | M | | ANSI-41 | |
| ANSI-41 INFORMATION ELEMENTS | C-ANSI | | | |

| CONDITION | EXPLANATION |
|-----------|--|
| GSM | THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE == "GSM-MAP") or (CN TYPE == "GSM-MAP AND ANSI-41") |
| ANSI | THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE == "ANSI-41") or (CN TYPE == "GSM-MAP AND ANSI-41") |

364. (New) A method for interfacing between a terminal and a radio network connected to a core network, wherein the terminal has a hybrid operating type being possible to be set as either a synchronous operating type or an asynchronous operating type, the radio network is the asynchronous operating type and the core network are a GSM-MAP operating type, said method comprising the steps of:

a) providing the terminal with a message including a core network operating type information representing an operating type of a core network, wherein the message includes a system information message.

365. (New) A method for interfacing between a terminal and a radio network connected to a core network, wherein the terminal has a hybrid operating type being possible to be set as either a synchronous operating type or an asynchronous operating type, the radio network is the asynchronous operating type and the core network are a GSM-MAP operating type, said method comprising the steps of:

a) providing the terminal with a message including a core network operating type information representing an operating type of a core network,

wherein the message is represented by:

| INFORMATION ELEMENT | PRESENCE | MULTI | IE TYPE AND REFERENCE | SEMANTICS DESCRIPTION |
|---|----------|-------|-----------------------|-----------------------|
| OTHER INFORMATION ELEMENTS | | | | |
| MIB VALUE TAG | M | | | |
| REFERENCES TO OTHER SYSTEM INFORMATION BLOCKS | | | | |
| >SCHEDULING INFORMATION | M | | | |
| CN INFORMATION ELEMENTS | | | | |
| CN TYPE | M | | GSM-MAP | |
| PLMN IDENTITY | C-GSM | | | |

| CONDITION | EXPLANATION |
|-----------|--|
| GSM | THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE == "GSM-MAP") or (CN TYPE == "GSM-MAP AND ANSI-41") |
| ANSI | THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE == "ANSI-41") or (CN TYPE == "GSM-MAP AND ANSI-41") |

366. (New) An apparatus for interfacing between a terminal and a radio network connected to a core network, wherein the terminal has a hybrid operating type being possible to be set as either a synchronous operating type or an asynchronous operating type, the radio network is the asynchronous operating type and the core network are a GSM-MAP operating type, said apparatus comprising:

a storage device for storing core network operating type information representing an operating type of a core network;

extraction block for reading the core network operating type information during a time period of initialization of the radio network; and

messaging block for providing the terminal with the core network operating type information contained in a message through a predetermined channel,

wherein the message is represented by:

| INFORMATION ELEMENT | PRESENCE | MULTI | IE TYPE AND REFERENCE | SEMANTICS DESCRIPTION |
|---|----------|-------|-----------------------|-----------------------|
| OTHER INFORMATION ELEMENTS | | | | |
| MIB VALUE TAG | M | | | |
| REFERENCES TO OTHER SYSTEM INFORMATION BLOCKS | | | | |
| >SCHEDULING INFORMATION | M | | | |
| CN INFORMATION ELEMENTS | | | | |
| CN TYPE | M | | GSM-MAP | |
| PLMN IDENTITY | C-GSM | | | |

| CONDITION | EXPLANATION |
|-----------|--|
| GSM | THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE == "GSM-MAP") or (CN TYPE == "GSM-MAP AND ANSI-41") |
| ANSI | THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE == "ANSI-41") or (CN TYPE == "GSM-MAP AND ANSI-41") |

367. (New) A method for interfacing between a terminal and a radio network, wherein the radio network has an asynchronous operating type, the method comprising the steps of:

a) providing the terminal with a message including a core network operating type information representing an operating type of a core network,

wherein the message includes:

'CN INFORMATION ELEMENTS' information identifying the type of core network domain including one of a packet switch type and a circuit switching type;

'CN type' information representing the core network operating type information representing an operating type of a core network; and

'PLMN IDENTITY' information identifying a Public Land Mobile Network for a GSM-MAP type of PLMN.

368. (New) The method as recited in claim 367, wherein the message further includes scheduling information and a MIB value tag.

369. (New) An apparatus for interfacing between a terminal and a radio network, wherein the radio network has an asynchronous operating type, comprising:

a storage device, coupled to the radio network, for storing core network operating type information representing an operating type of a core network;

extraction block, contained in the radio network, for reading the core network operating type information during a time period of initialization of the radio network; and

messaging block, contained in the radio network, for periodically providing the terminal with the core network operating type information contained in a message through a predetermined channel,

wherein the message includes:

'CN INFORMATION ELEMENTS' information identifying the type of core network domain including one of a packet switch type and a circuit switching type;

'CN type' information representing the core network operating type information representing an operating type of a core network; and

'PLMN IDENTITY' information identifying a Public Land Mobile Network for a GSM-MAP type of PLMN.

370. (New) The apparatus as recited in claim 369, wherein the message further includes scheduling information and a MIB value tag.

371. (New) An apparatus for interfacing between a terminal and a radio network, wherein the radio network has an asynchronous operating type and the terminal is set as the asynchronous operating type, comprising:

a storage device, contained in the radio network, for storing core network operating type information representing an operating type of a core network;

extraction block, contained in the radio network, for reading the core network operating type information during a time period of initialization of the radio network; and

messaging block, contained in the radio network, for periodically providing the terminal with the core network operating type information contained in a message through a predetermined channel,

wherein the message includes:

'CN INFORMATION ELEMENTS' information identifying the type of core network domain including one of a packet switch type and a circuit switching type;

'CN type' information representing the core network operating type information representing an operating type of a core network; and

'PLMN IDENTITY' information identifying a Public Land Mobile Network for a GSM-MAP type of PLMN.

372. (New) The apparatus as recited in claim 371, wherein the message further includes scheduling information and a MIB value tag.